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Sequence 35, Appl Patent No. 5240848 Sequence 9, Appl1 Sequence 31, Appl Patent No. 5194596 Patent No. 5219739

6-039B-35

5194596-18 5219739-19 US-08-567-200A-2 US-08-691-794-2 US-08-691-795-430-56

5332671-4

2214 232 232 1163 1161 1161 1164 1164 1164 1164

US-08-586-039B-31

Sequence 2, Appli Sequence 2, Appli Sequence 56, Appli Sequence 56, Appl Patent No. 5332671 Sequence 20, Appl Patent No. 5219739 Patent No. 5219739 Patent No. 5332671 Sequence 15, Appl

us-09-033-662-2.rai

(without alignments) 322.369 Million cell updates/sec 1 MRRCRISGRPPAPPGVPAQA......CQGRGLELNPDTCRCRKLRR 221 June 11, 2001, 16:10:28; Search time 13.17 Seconds GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd 185757 seqs, 19210857 residues protein search, using sw model BLOSUM62 Gapop 10.0 , Gapext 0.5 US-09-033-662-2 1238

Title: Perfect score:

Sequence:

OM protein

Run on:

Scoring table:

Total number of hits satisfying chosen parameters:

length: 0 length: 2000000000

sed

88

Minimum E Maximum E

Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Post-processing:

Database

US-08-469-427A-15

```
APPLICANT: Olofsson, Birgitta
APPLICANT: Alitalo, Kari
APPLICANT: Alitalo, Kari
APPLICANT: Pajusola, Kari
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
STREET: 1200 G Street, N.W., Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,427A
FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Evans, Joseph D REGISTRATION NUMBER: 26,269
REGISTRATION NUMBER: 41979cp2
REFERENCE/POCKET NUMBER: 41979cp2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
            Cequence 11, Application US/08469427A); Patent No 5607918 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER REGIABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: (202) 628-880
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           : 188 amino acids
amino acid
                                                                                             Eriksson, Ulf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             single
                                                                                                                                                                                                                                                                                                                                  CITY: Washington
STATE: DC
ZIP: 20005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HYPOTHETICAL: NO

CRIGINAL SOURCE:

TISSUE TYPE: h

US-08-469-427A-11
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JS-08-469-427A-11
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Sequence 11, P Sequence 11, P Sequence 11, P

Description

Seguence 57

Sequence

US-08-569-063C-11-US-08-79-4430-57
US-08-609-443B-15
US-08-69-063C-15
US-08-609-443B-5
US-08-609-443B-7
US-08-609-443B-7
US-08-609-443B-7
US-08-609-443B-7

Sequence 5, A Sequence 5, A Sequence 7, A Sequence 7, A Sequence 7, A Sequence 13, Sequence 13, Sequence 9, A

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

BB

Score

Result

/cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/PcTUS_COMB.pep:*
/cgn2_6/ptodata/2/iaa/PcTUS_COMB.pep:*

human fibrosarcoma

3, Appli 5219739

Sequence 3, Patent No. 5

Patent No.

Sequence 9, p Sequence 2, p Sequence 2, p Sequence 2, p Sequence 2, p

US-08-609-443B-2 US-08-569-063C-2

Sequence 10, Sequence 7, A Sequence 4, A

5219739-22 PCT-US96-09001-10 US-08-999-811-7 US-08-807-992B-4

364.5 364.5 363.5 359.5 359.5 359

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MOLECULE TYPE: protein
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STRANDEDNESS: si
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US-08-569-063C-11
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                                                                                        18 PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLIVELMGTVAKQLVPSCUTVQR 77
                                                                      PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQR 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: PAJUSOLA, KALTI
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
 Length 188;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.
STREET: 1200 G Street, N.W., Suite 700
CITY: Washington
                                      1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/609,443B
FILING DATE: 01-MAR-1996
CLASSIFICATION: 435
74.2%; Score 918; DB 1;
82.9%; Pred. No. 4.2e-77;
live 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 43.5
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION NUMBER: US 08/569,063
FILING DATE: 06-DEC-1995
ATTORNEY AGENT INFORMATION:
NAME: EVANS, JOSEPD D
RECISTRATION NUMBER: 26,269
RECISTRATION NUMBER: 26,269
RECISTRATION NUMBER: 1064/41979C
                                                                                                                                                                                                                                                                                                                                                                                              Sequence 11, Application US 06609443B Patent No. (2840698). GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                   164 RSFLRCQGRGLELNPDTCRCRKLRR 188
                                                                                                                                                                                                                                                                               197 RSFLRCQGRGLELNPDTCRCRKLRR 221
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ERIKSSON, Ulf
OLOFSSON, Birgitta
ALITALO, Kari
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                188 amino acids
                                    Conservative
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Query Match
Best Local Similarity
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MOLECULE TYPE:
HYPOTHETICAL:
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                                                                                                                                                                                                                                                                                                                                                                       RESULT 2
US-08-609-443B-11
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                                    Matches 170;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT
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STATE:
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137 AATPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCRCRCRR 196
                                                                                                                                                                                                                                                                                                                CGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDR 136
                                                                                                                                                                                                                                                                                                                                                                                                                                        ------SPRPLCPRCTQHHQRPDPRTCRCRR 163
                                                                                                                                                                    34; Gaps
                                                                                                                                                                                                                                          18 PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQR 77
                                                                                                                                                                                                                    17 PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQR 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFESON, Birgitta
APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR.

WUMBER OF SEQUENCES: 23
                                                                                                                     Length 188;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
STREET: 1200 G Street, N.W., Suite 700
CITY: Washington
                                                                                                                                                                    1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE PATENTIAN STATEM.
SOFTWARE PATENTIAN STATEM.
SOFTWARE PATENTIAN DATA:
APPLICATION NUMBER: US/08/569,063C
FILING DATE: 06-DEC-1995
PRIOR APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, JOSEPh D
                                                                                                                Score 918; DB 2;
Pred. No. 4.2e-77;
0; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064/41979CP3
TELECOMMUNICATION INFORMATION:
; ORIGINAL SOURCE:
; TISSUE TYPE: human fibrosarcoma
US-08-609-443B-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 11, Application US/08569063C
; Patent No. 5928939
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           197 RSFLRCQGRGLELNPDTCRCRKLRR 221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IBM PC compatible
                                                                                                                     74.2%;
82.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (202) 628-8800
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 188 amino acids
                                                                                                                     Query Match 74.2
Best Local Similarity 82.9
Matches 170; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 2. CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   single
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OPERATING SYSTEM:
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APPLICANT: Alitalo, Karl
APPLICANT: Joukov, Vladimir
TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                              77 CGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKDSAVKPDR 136
                                                                                                                                                                                                              18 PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQR
                                                                                                                                                                                     PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQR
                                                                                                                                                                                                                                                                                          CGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPD-
                                                                                                       Length 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3: Marshall, O'Toole, Gerstein, Murray & Borun 6300 Sears Tower, 233 South Wacker Drive
                                                                                    ; DB 2; Leus
4.2e-77;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/795,430 FILING DATE:
                                                                                                     Ouery Match 74.2%; Score 918; DB Best Local Similarity 82.9%; Pred. No. 4.2e Matches 170; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FI96/00427
FILING DATE: 01-ANG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/671,573
FILING DATE: 28-JUN-1996
PROR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: 630v -
CITY: Chicago
STATE: 1111nots
COUNTRY: United States of America
7TP: 6060-6402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/510,133
FILING DATE: 01-AdG-1995
PRICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/340,011
FILING DATE: 14-NOV-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                           human fibrosarcoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,895
FILING DATE: 12-JAN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 57, Application US/08795430 Patent No. 6130071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       UMBER: 08/601,132
14-FEB-1996
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FILING DATE: 14-FEB
ORIGINAL SOURCE:

TISSUE TYPE:
US-08-569-063C-11
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........SPRPLCPRCTGHHQRDPRTCRCRR 163
                                                                                                                                                                                                                                                                                                                                      77 CGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDR 136
                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                       17 PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQR 76
                                                                                                                                                                                                                                                                                     34;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Edwards & Lenahan, P.L.L.C.
Suite 700
                                                                                                                                                                                                                   Length 188;
                                                                                                                                                                                                                                            Indels
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                                                                                                                                                                                                                  Score 918; DB 4;
Pred. No. 4.2e-77;
0; Mismatches 1
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-UN-1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/609,443B
FILING DATE: 01-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 15, Application US/08609443B
; Patent No. 5840693
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Evenson, McKeown, 1200 G Street, N.W.,
                      GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, Birgitta
                   REFERENCE/DOCKET NUMBER: 28
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
                                                                                                                                                                                                                   74.2%;
82.9%;
                                                                                                                                                                                                                                              Matches 170; Conservative
                                                                                                                                                 ; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-795-430-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Washington
                                                                                                                                                                                                                   Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 20005
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US-08-609-443B-15
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77 CGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDR 136
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APPLICANT: Olofsson, Birgitta
APPLICANT: Alitalo, Rari
APPLICANT: Alitalo, Rari
APPLICANT: Pajusola, Ratri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 17
CORRESSONDENCE ADDRESS:
ADDRESSE: Evenson, McKeown, Edwards & Lenahan
STREET: 1200 G Street, N.W., Suite 700
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 207;
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,427A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
RIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 41979cp2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 824; DB 2; L
Pred. No. 1.9e-68;
1; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 137 AATPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRP 173
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REFERENCE/DOCKET NUMBER: 1064/41979CP3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 5, Application US/08469427A Patent No. 5607918
                              TELECOMMUNICATION INFORMATION TELEPHONE: (202) 628-8800
                                                       TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 66.6%;
Best Local Similarity 96.8%;
Matches 152; Conservative
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                                                                                                                                                                                             LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
TISSUE TYPE: human
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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APPLICANT: Erikss
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Patent No. 5928939

GENERAL INFORMATION:
APPLICANT: ERIKSSON, U1f

APPLICANT: ALITALO, Rari
APPLICANT: ALITALO, Rari
APPLICANT: ALITALO, Rari
APPLICANT: PAJUSOLA, RALI
APPLICANT: ADDRESSES: AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSES: ADDRESSES:
ADDRESSES: ADDRESSES: ADDRESSES:
ADDRESSES: ADDRESSES: ADDRESSES:
ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDR
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SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 05-095
FILING DATE: 06-095
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 824; DB 2;
Pred. No. 1.9e-68;
1; Mismatches 2;
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-UNN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANA: JOSEPD D
                                                                                                              REGERENCE/DOCKET NUMBER: 20,209
REFERENCE/DOCKET NUMBER: 1064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8840
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENTH: 207 amino acids
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ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-D
                                                          NAME: EVANS, Joseph D
REGISTRATION NUMBER: 26,269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   66.6%;
96.8%;
06-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 96.8
Matches 152; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
TISSUE TYPE: human
US-08-609-4438-15
                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
STRANDEDNESS: single
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FILING DATE:
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US-08-569-063C-15
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us-09-033-662-2.rai

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ADDRESSEE:
STREET: 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      ---SPRILCPPCTQRRQRPDPRTCRCRRRR 165
                                                                                                                                                                                                                                                                                     20 QAPVSQPDGPSHQKKVVPWIDVYARATCQPREVVVPLSMELMGNVVKQLVPSCVTVQRCG 79
                                                                                                                                                                                                                                                               19 QAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQRCG 78
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 5, Application US/08609443B
Patent No. 5840693
GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: ALITALO, Kari
APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Katii
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Evenson, McKeown, Edwards & Lenahan, P.L.L.C. O G Street, N.W., Suite 700
                                                                                                                                                                                Length 188;
                                                                                                                                                                                                                     indels
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                                                                                                                                                                                                                       6; Mismatches
                                                                                                                                                                              Score 796;
Pred. No. 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-WAR-1995
PRIOR APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-UN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/569,063
FILING DATE: 06-DEC-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/609,443B
FILING DATE: 01-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS
            TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
TISSUE TYPE: adult mouse heart
US-08-469-427A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            199 FLRCQGRGLELNPDTCRCRKLRR 221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1200 G Street, N.W.,
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REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 106
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                                                                                                                                                                              64.3%;
72.9%;
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                                                                                                                                                                            Query Match 64.3
Best Local Similarity 72.9
Matches 148; Conservative
single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 1200 CTTY: Washington
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                                                                                                                                                                                                                                                                                                                    20 QAPVSQFDGPSHQKKVVPWIDVYARATCQPREVVVPLSMELMGNVVKQLVPSCVTVQRCG 79
                                                                                                                                                                                                                                                                                                   19 QAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVPLTVELMGTVAKQLVPSCYTVQRCG
                                                                                                                                                                                                                                                                                                                                                                                                                                     139 TPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCRCRCRRRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: OLOGICO..., RATÍ
APPLICANT: ALITALO, KATÍ
APPLICANT: PAJUSOLA, KATÍ
APPLICANT: PAJUSOLA, VASCÚLAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Edwards & Lenahan, P.L.L.C. Suite 700
                                                                                                                                                                                                                                                                  Indels
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,063C
FILING DATE: 06-DBC-1995
                                                                                                                                                                                                                               Score 796; DB 2;
Pred. No. 6.4e-66;
6; Mismatches 15
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5, Application US/08569063C
Patent No. 522899
GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, Birgitta
                                                                                                                                                                  adult mouse heart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  166 FLHCQGRGLELNPDTCRCRKPRK 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SÝSTEM: PC-DOS/MG-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1200 G Street, N.W.
                                                                                                                                                                                                                                 Query Match
Best Local Similarity 72.9%;
Matches 148; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US OF FILING DATE: 01-MAR-1995 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: EVANS, Joseph D
REGISTRATION NUMBER: 26,
REFERENCE/DOCKET NUMBER:
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                              LENGTH: 188 amino acids
TYPE: amino acid
                                                                                   single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 20005
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Washington
                                                                                                  linear
                                                                                                                                               ORIGINAL SOURCE:
TISSUE TYPE:
                                                                 TYPE: amino a
                                                                                                                MOLECULE TYPE:
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TELEFAX: (202) 628-8844 INFORMATION FOR SEQ ID NO:
                                         SEQUENCE CHARACTERISTICS
                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
                                                                                                 single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        140 VKPD-----
                                                                                               STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
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                                                         LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                --SPRILCPPCTQRRQRPDPRTCRCRCRRRR 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                              GCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDRAA 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    80 GCCPDDGLECVPTGQHQVRMQILMIQYPSSQLGEMSLEEHSQCECRPKKKESAVKPD--- 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        139 IPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCRCRRRS 198
                                                                                                                                                                                                                                                                                                                                                                                                          20 QAPVSQEDGPSHQKKVVPWIDVYARATCQPREVVVPLSMELMGNVVKQLVPSCVTVQRCG 79
                                                                                                                                                                                                                                                                                                                                                                                     19 QAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQRCG 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND TITLE OF INVENTION: DNA CODING THEREFOR NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                             Length 188;
                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,427A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   r: 1200 G Street, N.W., Suite 700 Washington
                                                                                                                                                                                                                                                                                                             ; DB 2;
6.4e-66;
                                                                                                                                                                                                                                                                                                         Ouery Match 64.3%; Score 796; DB
Best Local Similarity 72.9%; Pred. No. 6.4e
Matches 148; Conservative 6; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Evans, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 41979cp2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7, Application US/08469427A
Patent No. 560791B
GENERAL INFORMATION:
APPLICANT: Eriksson, Ulf
                                                                                                                                                                                                                                 adult mouse heart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        199 FLRCQGRGLELNPDTCRCRKLRR 221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Olofsson, Birgitta
 TELECOMMUNICATION INFORMATION
                 TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 188 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (202) 628-8800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Olofsson, Birgil
APPLICANT: Alitalo, Kari
APPLICANT: Pajusola, Katri
                                                                                                                 TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                         ) ORIGINAL SOURCE:

) TISSUE TYPE: 6

US-08-569-063C-5
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20005
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STREET: 12
CITY: Wash
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US-08-469-427A-7
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80 GCCPDDGLECVPTGQHQVRMQVPGPMGQILMIQYPSSQLGEMSLEEHSQCECRPKKKESA 139
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                                                                                                                                                                                                                                                                                                            41; Gaps
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                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, Birgitta
APPLICANT: ALITALO, Kari
APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
WUMBER OF SEQUENCES: 57
                                                                                                                                                                                                                                                           Length 195;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lenahan, P.L.L.C
                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 782.5; DB 1
Pred. No. 1.2e-64;
6; Mismatches 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Evenson, McKeown, Edwards & STREET: 1200 G Street, N.W., Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    166 CRCRRRFLHCQGRGLELNPDTCRCRKPRK 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         192 CRCRRRSFLRCQGRGLELNPDTCRCRKLRR 221
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01-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-UUN-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 08/569,063
FILING DATE: 06-DEC-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                    ) ORIGINAL SOURCE:

; TISSUE TYPE: adult mouse heart

US-08-469-427A-7
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; Patent No. 5840693
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                           Query Match 63.2%;
Best Local Similarity 70.5%;
Matches 148; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
: 195 amino acids
amino acid
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PRIOR APPLICATION DATA
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                                                                                                                                                                                                                                                                                         US-08-569-063C-7
                                                                                                                                                                                                                                                                                                                                                                         Matches 148;
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                                                                                                                                                                                                                                                                                                                                                                                                            VKPDRAATPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: ERIKESSON, UIF
APPLICANT: ERIKESSON, UIF
APPLICANT: ALITALO, Kari
APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Kari
TILLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, MCKEOWN, Edwards & Lenahan, P.L.L.C.
STREET: 1200 G Street, N.W., Suite 700
STATE: DC
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                       Length 195;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC COMPALATE COMPALATE SYSTEM: PC-DOS/MS-DOS SOFTWARE: PATENTIN Release #1.0, Version #1.25. CURRENT APPLICATION DATA: APPLICATION NDATA: NS/08/569,063C
                                                                                                                                                                                                                                                                                                                                        2e-64;
                                                                                                                                                                                                                                                                                                                                        Pred. No. 1.26
6; Mismatches
                                                                                                                                                                                                                                                                                                                     Score 782.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               166 CRCRRRRFLHCQGRGLELNPDTCRCRKPRK 195
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APPLICATION NUMBER: US 08/397,651 FILING DATE: 01-MAR-1995
                                                                                                                                                                                                                                     ORIGINAL SOURCE:
TISSUE TYPE: adult mouse heart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7, Application US/08569063C Patent No. 5928939
NAME: EVANS, JOSEPh D
REGISTRATION UNUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEPAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                       63.2%;
llarity 70.5%;
Conservative
                                                                                                                                     : 195 amino acids
amino acid
                                                                                                                                                                STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                    MOLECULE TYPE: protein HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 148; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           140 VKPD----
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                                                                                                                                  LENGTH:
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TOT AVAILABLE COPY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  80 GCCPDDGLECVPTGQHQVRMQVPGPMGQILMIQYPSSQLGEMSLEEHSQCECRPKKKESA 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           --SPRILCPPCTQRRQRPDPRTCR 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                        20 QAPVSQFDGPSHQKKVVPWIDVYARATCQPREVVVPLSMELMGNVVKQLVPSCVTVQRCG 79
                                                                                                                                                                                                                                                                                                                                                                                                                                     19 QAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQRCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VKPDRAATPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: ERIKSSON, U1f
APPLICANT: ALTRASON, Birgitta
APPLICANT: ALTRASON, Birgitta
APPLICANT: ALTRASON, Rati
APPLICANT: PAJUSOLA, Kati
APPLICANT: PAJUSOLA, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 57
                                                                                                                                                                                                                                                                                                                                                             Length 195;
                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                            .2e-64;
                                                                                                                                                                                                                                                                                                                                                         63.2%; Score 782.5;
ilarity 70.5%; Pred. No. 1.2e
Conservative 6; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Evenson, McKeown, Edwards & STREET: 1200 G Street, N.W., Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Ver:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/609,443B
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   192 CRCRRRSFLRCQGRGLELNPDTCRCRKLRR 221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 13, Application US/08609443B Patent No. 5840693
                                                                                                                                                                                                                                                              ORIGINAL SOURCE:
TISSUE TYPE: adult mouse heart
NAME: EVANS, JOSEPH D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064
TELECOMMUNICATION INFORMATION:
TELEFUNDE: (202) 628-8800
TELEFAX: (202) 628-8804
INFORMATION FOR SEQ ID NO: 7:
                       26,269
                                                                                                                                                 LENGTH: 195 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
                                                                                                                                 SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Washington
                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,427A
FILING DATE: 06-JUN-1995
CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 9, Application US/08469427A Patent No. 5607918
                                                    NAME: EYANS, JOSEPH D
REGISTRATION NUMBER: 26,269
REPERENCE/DOCKET NUMBER: 1064,
TELECOMMUNICATION INFORMATION:
TELEFAN: (202) 628-8800
TELEFAX: (202) 628-8844
INPORMATION FOR SEQ ID NO: 13:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 41:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                             58.5%;
85.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 9:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                : 207 amino acids amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 58.59
Best Local Similarity 85.29
Matches 132; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Evans, Joseph D
REGISTRATION NUMBER: 2
                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                           MOLECULE TYPE: protein
ORIGINAL SOURCE:
TISSUE TYPE: mouse
                                                                                                                                                                                                                                                                             linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                         TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              79 GCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDRAA 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20 QAPVAQEDGPSHQKKVVPWIDVYARATCQPREVVVPLSMELMGNVVKQLVPSCTVQRCG 79
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APPLICANT: ALITALO, Kari
APPLICANT: ALITALO, Katri
APPLICANT: PAJUSOLA, KATRI
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 207;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            E: Evenson, McKeown, Edwards & Lenahan, P.L.L.C. 1200 G Street, N.W., Suite 700
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 724; DB 2;
Pred. No. 2.8e-59;
7; Mismatches 14;
FILING DATE: 06-JUN-1995
FILING DATE: 06-JUN-1995
FROR APPLICATION DATA:
APPLICATION NUMBER: US 08/569,063
FILING DATE: 06-DEC-1995
ATTORNEY AGENT INFORMATION:
NAME: EVANS, JOSEPh D
REGISTRATION NUMBER: 1064/41979CP4
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECAMINICATION INFORMATION:
TELECAMINICATION SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
TURFORMATION FOR SEQ ID NO: 13:
TELENGTH: 207 amino arida
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PRIOR DATE: 06-DEC-1222
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION NUMBER: US 08/397,651
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FILING DATE: 06-DEC-1995
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ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 13, Application US/08569063C Patent No. 5928939
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OLOFSSON, Birgitta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       58.5%;
85.2%;
                                                                                                                                                                                                                                                                                                                                                                  ; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; TISSUE TYPE: mouse
US-08-609-443B-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 58.5
Best Local Similarity 85.2
Matches 132; Conservative
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APPLICANT: ERIKSS
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US-08-569-063C-13
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79 GCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDRAA 138
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                                                                                                                    19 QAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQRCG 78
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APPLICANT: Olofsson, Birgitta
APPLICANT: Alitalo, Kari
APPLICANT: Asjusola, Katri
APPLICANT: Pajusola, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan STREET: 1200 G Street, N.W., Suite 700 CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SYSTEM: PC-DOS/MS-DOS
PatentIn Release #1.0, Version #1.25
Score 724; DB 2;
Pred. No. 2.8e-59;
                                                                                                                                                                                                                                                                                                                                                               139 TPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRP 173
                                                                                                                                                                                                                                                                                                                                                                                               7; Mismatches
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One	Query Match	atch	Query Match	43.08;	43.9%; Score 543; DB 1; Length 133;	; DB	1;	ength	133;	,			
Mat	ches	99	; Conserv	ative	DESCL DOCAL SHILLIALITY 70.0%; FIEU. NO. 0.76-43; Matches 99; Conservative 4; Mismatches 7; Indels	ches	7;	īnde		0;	0; Gaps	0;	
ογ	19	OAPV	SOPDAPGHOR	KVVSWIDVY	19 QAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQRCG 78	WPLT	VELMG	FVAKOI	VPSCVI	VORC	G 78		
qq	20	OAPV	SQFDGPSHQK	KVVPWIDVY	20 QAPVSQFDGPSHQKKVVPWIDVYARATCQPREVVVPLSMELMGNVVKQLVPSCVTVQRCG 79	WVPLS	MELMG	NVKOI	VPSCV	VORC	G 79		
οy	79	GCCP	DDGLECVPTG	OHOVRMOII	79 GCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKK 128	EMSLE	EHSOCI	SCRPKI	KK 128				
ę	8	- a	111111111 DDG1.PCVPTG	OHOVRMOTT	80 GCCPDDG1.ECVPEGOHOVEMOTIMICAPSSOLGEMSI.EEHSOCECEPEKK 129		FHSOC1		II KK 129				

Search completed: June 11, 2001, 16:12:30 Job time: 122 sec

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1, Appli 1, Appli 57, Appl 5240848

Sequence 2, Appendence 26, Acquence 1, Appendence 1, Appendence 1, Appendence 1, Appendence 31, Acquence 31, Acquence 31, Acquence 31, Acquence 32, Acquence 33, Acquence 34, Appendence 27, Acquence 27

US-08-718-904-2
PCT-US95-10973A-26
US-08-568-039B-48
US-08-765-340-1
US-08-571-11
US-08-591-794-1
PCT-US95-10973A-37
PCT-US95-10973A-37
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US-08-718-904-3

48, Appl 1, Appli 5332671

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APPLICANT: ALITALO, KATI
APPLICANT: PAJUSOLA, KALTI
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
NUMBER OF SEQUENCES: 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/609,443B
FILING DATE: 01-MR-1996
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRICR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
PRIOR APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION NUMBER: US 08/569,063
FILING DATE: 06-DEC-1995
APPLICATION NUMBER: US 08/569,063
FILING DATE: 06-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, JOSEPh D
REGISTATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064/41979C
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 14, Application US/08609443B Patent No. 5840693 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Evenson, McKeown, STREET: 1200 G Street, N.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, Birgitta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 14
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 624 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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ADDRESSEE: Evenson,
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  June 11, 2001, 23:10:41; Search time 67:03 Seconds (without alignments) 1734.826 Million cell updates/sec
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Sequence 1, Al
Sequence 87,
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Sequence 25,
                                                                                                                                                                                                                                                                                                                                               1 ATGAGAAGGTGTAGAATAAG......GCCGGAAGCTGCGAAGGTGA
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/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/PcTUS_COMB.seq:*
                      GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd
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US-08-609-643B-122
US-08-469-427A-10
US-08-569-063C-10
US-08-569-063C-10
US-08-569-063C-4
US-08-569-063C-4
US-08-569-063C-6
US-08-669-063C-6
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US-08-669-063C-6
US-08-669-063C-6
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US-08-569-063C-1
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Maximum Match 100%
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Gapop 10.0 , Gapext 1.0
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                                                                                                                                                                                       Run on:
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No.
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588 CGCCGCAGCTTCCTCCGTTGCCAAGGGCGGGGCTTAG
                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, JOSEPH D
REGISTRATION NUMBER: 26,269
                        CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,063C
FILING DATE: 06-DEC-1995
                                                                                                                                                                                                        TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                             83.4%;
98.8%;
                                                                                                                                                                                                                                                            LENGTH: 624 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
    OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 570; Conserv
                                                                                                                                                                                                                                                                                                                            ORIGINAL SOURCE:
TISSUE TYPE: 1
                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                    TOPOLOGY:
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                                                                            Length 624;
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                                                                                                         Indels
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APPLICANT: OLOFSSON, Birgitta
APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Kari
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                         .;
9
                                                                            Score 555.4; DB 2;
Pred. No. 1.7e-124;
0; Mismatches 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     586 CGCCGCAGCTTCCTCCGTTGTCAAGGGCGGGGCTTAG 622
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CGCCGCAGCTTCCTCCGTTGCCAAGGCGGGGCTTAG 624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  F: 1200 G Street, N.W., Suite 700 Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 14, Application US/08569063C Patent No. 5928939 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IBM PC compatible
                                                                            83.4%;
98.8%;
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                                                                                          Best Local Similarity 98.8
Matches 570; Conservative
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) MOLECULE TYPE: c
) ORIGINAL SOURCE:
) TISSUE TYPE: h
US-08-609-443B-14
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COMPUTER: IB
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US-08-569-063C-14
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                                                                              Query Match
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TCATGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCCGGGAGGTGGTGGTGCCCTTG 165
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACTGTGGAGCTCATGGGCACCGTGGCCAAACAGCTGGTGCCCAGCTGCGTGACTGTGCAG
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PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 555.4; DB 2
Pred. No. 1.7e-124
0; Mismatches 6
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                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 1064/41979CP3 TELECOMMUNICATION INFORMATION:
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172 ATGGAACTCATGGGCAATGTGGTCAAACAACTAGTGCCCAGCTGTGTGACTGTGCAGCGC
                                                                                                                                                                                                                              GAACACAGCCAGTGTGAATGCAGACCTAAAAAAAAAGGACAGTGTGTGAAGCCAGACAGG
                                                                                                                                                                                                                                                      GCTGCTACTCCCCACCACCGTCCCCAGCCCCGTTCTGTTCCGGGGCTGGGACTCTGCCCCC
                                                                                                                                                                                                                                                                                                                                              GGAGCACCCTCCCCAGCTGACATCACCCAATCCCACTCCAGCCCCAGGCCCCTCTGCCCA
                                                                                                                                     289 CGGATGCAGATCCTCATGATCCGGTACCCGAGCAGTCAGCTGGGGGAGATGTCCCTGGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, Birgitta
APPLICANT: ALITALO, Kari
APPLICANT: PALUZOLA, CODING THEREFOR
TITLE OF INVENTION: DNA CODING THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
1200 G Street, N.W., Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ve
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,063C
FILING DATE: 06-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 08/469,427 FILING DATE: 06-JUN-1995 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E: Floppy disk
IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26,269
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: EVANS, Joseph D
REGISTRATION NUMBER: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 2: CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
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                                                                                                                                                    APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, BIFGILTA
APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Kari
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
NUMBER OF SEQUENCES: 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 464.4; DB 2;
Pred. No. 9.7e-103;
0; Mismatches 61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PALOCATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/569,063
APTICATION NUMBER: US 08/569,063
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, JOSEPH D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064/41979C
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/609,443B FILING DATE: 01-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                            IE: Evenson, McKeown,
1200 G Street, N.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 69.7%;
Best Local Similarity 89.2%;
Matches 512; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 624 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 5.
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                         Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     20005
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PC-DOS/MS-DOS

NAME: Evans, Joseph D REGISTRATION NUMBER: 26,269

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-

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SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,427A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: US 08/397,651
ATTORNEY/AGENT INFORMATION:
NAME: Evans, JOSEPPh D
                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 41979cp2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
                                                                                                                                                                                                                                                                               TELEPHONE: (202) 628-8800
TELEPAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 10: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                     ) ORIGINAL SOURCE:

, TISSUE TYPE:

US-08-469-427A-10
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                                                                                                                                                                                                                                                    TGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCCGGGAGGTGGTGGTGCCCTTGACT 168
                                                                                                                                                                                                                                                                                                               169 GTGGAGCTCATGGGCACCGTGGCCAAACAGCTGGTGCCCAGCTGCGGTGACTGTGCAGCGC 228
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     232 TGTGGTGGCTGCTGCCTGACGATGGCCTGGAATGTGTGCCCCACTGGGCAACACCCAAGTC 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                349 GAACACAGCCAGTGTGAATGCAGACCTAAAAAAAAGGGACAGTGCTGTGAAGCCAGACAGG 408
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                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  229 TGTGGTGGCTGCCCTGACGATGGCCTGGAGTGTGTGCCCACTGGGCAGCACCAAGTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 624;
                                                                                                                                                                                                       Indels
                                                                                                                                                                                                        61;
                                                                                                                                                                          DB 2;
                                                                                                                                                                     69.7%; Score 464.4; DB 2; 89.2%; Pred. No. 9.7e-103; live 0; Mismatches 61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                589 CGCAGCTTCCTCCGTTGTCAAGGGCGGGGCTTAG 622
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                591 CGCCGCTTCCTCCATTGCCAAGGCCGGGCTTAG 624
LENGTH: 624 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                       Query Match 69.7
Best Local Similarity 89.2
Matches 512; Conservative
                                                                                        ORIGINAL SOURCE:
TISSUE TYPE: mouse
US-08-569-063C-12
                                                                CDNA
                                                linear
                                                                             0
N
                                                             MOLECULE TYPE:
                                                                             HY POTHETICAL:
                                              TOPOLOGY:
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human fibrosarcoma

LENGTH: 570 base pairs TYPE: nucleic acid linear

STRANDEDNESS: TOPOLOGY: lin MOLECULE TYPE:

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106 TCATGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCCGGGAGGTGGTGGTGCCCTTG 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     466 CCCGGAGCACCCTCCCCAGCTGACATCACCCAGTCCCAGCCCCAGGCCCCTCTGC 525
                                                                                      46 GICCCCGCCCAGGCCCCIGICICCCAGCCIGAIGCCCCTGGCCACCAGAGAAAGIGGIG 105
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                                                                                                                                                                                                                   112 TCATGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCGGGAGGTGGTGGTGCCCTTG 171
                                                                                                                                                                                                                                                                                                         172 ACTGTGGAGCTCATGGGCACCGTGGCCAAACAGCTGGTGCCCAGCTGCGTGACTGTGCAG 231
                                             Gaps
                                                                                                                                                                                                                                                                166 ACTGTGGAGCTCATGGGCACCGTGGCCAAACAGCTGGTGCCCAGCTGCGTGACTGTGCAG
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                                                                                                                                                                                                                                                                                       Indels 102;
  Length 570;
    DB 1;
Score 400.6; DB 1;
Pred. No. 1.7e-87;
0; Mismatches 4;
    60.28;
  Query Match 60.2%;
Best Local Similarity 482%9%;
Matches 515; Conservative
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APPLICANT: ELIKSSON, Ulf
APPLICANT: Olofsson, Birgitta
APPLICANT: Alitalo, Kari
APPLICANT: Palusola, Kari
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR

ຣັບນີ້ທີ່ໄປເຂົ້າໄດ້ໄດ້ໄດ້ ຣັບນີ້ອາທຣີ ນີ້ທີ່ໄດ້ໄດ້ Seguence ນີ້ທີ່ໄດ້ຄຸນໃນໂຕລະເດັດກັບS/08469427A ເຂື້ອເຂົ້າເຂົ້າໄດ້ວ່າ ຮູ້ດີທີ່ໃຈນີ້ຄື ໄ

E: Evenson, McKeown, Edwards & Lenahan 1200 G Street, N.W., Suite 700

NUMBER OF SEQUENCES: I.
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, 1

STREET: 1200 G St CITY: Washington STATE: DC

us-09-033-662-1.rni

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-----CAGCCCCAGGCCCTCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CGCCGCAGCTTCCTCCGTTGTCAAGGGCGGGGTTAGAGCTCAACCCAGACACCTGCAGG
                                                                                     ACTGTGGAGCTCATGGGCACCGTGGCCAAACAGCTGGTGCCCAGCTGCGTGACTGTGCAG
                                                                                                         CGCTGTGGTGGCTGCTGCCCTGACGATGGCCTGGAGTGTGTGCCCCACTGGGCCACCAA
                                                                                                                                                                                 GTCCGGATCCAGATCCTCATGATCCGGTACCCGAGCAGTCAGCTGGGGGAGATGTCCCTG
                                                                                                                                                                                                                                                       526 CCACGCTGCACCCAGCACCACCAGTGCCCTGACCCCGGACCTGCCGCTGCCGCTGTCGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    406 AGGGCTGCTACTCCCCACCACCGTCCCCAGCCCCGTTCTGTTCCGGGCTGGGACTCTGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                CCCGGAGCACCCTCCCCAGCTGACATCACCCAATCCCAGTCCCAGGCCCCTCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: ERIKSSON, U1f
APPLICANT: OLOSSON, Birgitta
APPLICANT: ALITALO, Kari
APPLICANT: ALITALO, Kari
I PALUSOLA, Katti
TILE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lenahan, P.L.L.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08/569,063C
FILING DATE: 06-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPALIDLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PALENTIN Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 10, Application US/08569063C Patent No. 5928939
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             646 TGCCGGAAGCTGCGAAGGTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: US
ZIP: 20005
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                   APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 57
                                                                                                                                                                                                                                                                                                                                                                                                            Lenahan,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1...
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/609,443B
FILING DATE: 01-MAR.1996
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 400.6; DB
Pred. No. 1.7e-87
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-WAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-UN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/569,063
FILING DATE: 06-DEC-1995
ATTORNEY/GENT INFORMATION:
NAME: EVANS, JOSEPH D
REGISTRATION NUMBER: 1064/41979C
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEPHONE: (202) 628-8844
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Evenson, McKeown, STREET: 1200 G Street, N.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        E: Floppy disk
IBM PC compatible
                                                                    Birgitta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 60.2%;
Best Local Similarity 82.9%;
Matches 515; Conservative
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TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          46
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Sequence 4, Application US/08469427A
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                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                Score 400.6; DB 2
Pred. No. 1.7e-87;
0; Mismatches 4
                                                                                         REFERENCE/DOCKET NUMBER: 1064/41979CP3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 570 base pairs
TYPE: nucleic acid
STARNDEDNESS: SINGle
APPLICATION NUMBER: US 08/397,651
                                                                                                                                                                                                                                                                                                                                                         human fibrosarcoma
            FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, JOSEPH D
REGISTRATION NUMBER: 26,269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        646 TGCCGGAAGCTGCGAAGGTGA 666
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Best Local Similarity 82.9%;
Matches 515; Conservative
                                                                                                                                                                                                                                                                                         MOLECULE TYPE: CDNA HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                                ORIGINAL SOURCE:
TISSUE TYPE:
US-08-569-063C-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        411 -----
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229 TGTGGTGGTGCTGCTGACGATGGCCTGGAGTGTGTGCCCACTGGGCAGCACCAAGTC 288
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GENERAL INFORMATION:
APPLICANT: ETIKSSON, Ulf
APPLICANT: Alitalo, Kari
APPLICANT: Alitalo, Kari
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 47.4%; Score 316; DB 1;
74.6%; Pred. No. 2.9e-67;
iive 0; Mismatches 55
                                                                                                                                                                                                                                                                 ADDRESSEE: Evenson, McKeown, Edwards & STREET: 1200 G Street, N.W., Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/469,427A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Evans, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 41979cp2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     adult mouse heart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 565 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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Best Local Similarity 74.6
Matches 461; Conservative
                                                                                                                                                                                                                                                                                                                                                                     ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                       Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 06 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) ORIGINAL SOURCE:

) TISSUE TYPE:

US-08-469-427A-4
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RESULT 8 US-08-469-427A-4

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                                                                                                                                                                                            109 TGGATAGATGTGTATACTCGCGCTACCTGCCCAGCCCCGGGAGGTGGTGGTGCCCTTGACT 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GAACACAGCCAGTGTGAATGCAGACCTAAAAAAAGGACAGTGCTGTGAAGCCAGACAGG 408
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                                                                                                                                                                                                                                                          CGGATGCAGATCCTCATGATCCGGTACCCGAGCAGTCAGCTGGGGGAGATGTCCCTGGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                    290 CGAATGCAGATCCTCATGATCCAGTACCCGAGCAGTCAGCTGGGGGAATGTCCCTGGAA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: PAJUSOLA, KALTÍ
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
1200 G Street, N.W., Suite 700
                                                                                                          ; DB 2;
2.9e-67;
                                                                                                                                            0; Mismatches
                                                                                                         Score 316;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 4, Application US/08569063C Patent No. 5928939
                                                heart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, BIrgitta
APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Karri
                                                adult mouse
                                                                                                         Query Match
Best Local Similarity 74.6%;
Matches 461; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            649 CGGAAGCTGCGAAGGTGA 666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Washington
MOLECULE TYPE: CI
HYPOTHETICAL: NO
ORIGINAL SOURCE:
TISSUE TYPE: ac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE:
STREET: 12
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US-08-569-063C-4
                                                             US-08-609-443B-4
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529 CGCTGCACCCAGCACCAGTGCCCTGACCCCGGACCTGCCGCTGCCGCTGTGGACGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
STREET: 1200 G Street, N.W., Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/469,427A FILING DATE: 06-JUN-1995 CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                   Sequence 6, Application US/08469427A; Patent No. 5607918; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            adult mouse heart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Evans, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION TELEPHONE: (202) 628-8800
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                                                                                                                                                                       649 CGGAAGCTGCGAAGGTGA 666
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 591 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (202) 628-884 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
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OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Washington
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TISSUE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCCGGGAGGTGGTGGTGCCCTTGACT 168
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 565;
                                                                                                                            OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,063C
FILING DATE: 06-D05/MS-D03
FRIOR APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
FRIOR APPLICATION NUMBER: US 08/397,651
FRING DATE: 01-MR-1995
FRIOR APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MR-1995
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MR-1995
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MR-1995
TELEPHONE: CASE 058 00
TELEPHONE: (202) 628-8800
TELEPHONE: (202) 628-8800
TELEPHONE: CASE OF DIONO: 4:
SEQUENCE CHARACTERISCING:
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Pred. No. 2.9e-67;
0; Mismatches 55;
                                                                                                      COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORIGINAL SOURCE:
; TISSUE TYPE: adult mouse heart
US-08-569-063C-4
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al Similarity 74.6%;
461; Conservative
                                                                                  Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 565 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 461; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: lines
MOLECULE TYPE: CI
HYPOTHETICAL: NO
                                        20005
                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    109
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                                                                          589 CGCAGCTTCCTCCGTTGTCAAGGGCGGGCTTAGAGCTCAACCCAGACACCTGCAGGTGC
                                                                                                      APPLICANT: Erlksson, Ulf
APPLICANT: Olofsson, Birgitta
APPLICANT: Alitalo, Kari
APPLICANT: Alitalo, Kari
APPLICANT: Pajusola, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
NUMBER OF SEQUENCES: 17
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AGTGCTGTGAAGCCAGACAGGGCTGCTACTCCCCACCACCGTCCCCAGCCCCGGTTCTGTT 447 627 49 CCCGCCCAGGCCCCTGTCTCCCAGCCTGATGCCCCTGGCCCACCAGAGAAAGTGGTGTCA 108 TGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCCGGGAGGTGGTGGTGGTGCCCTTGACT 168 Gaps 115 TGGATAGACGTTATGCACGTGCCACAGCAGCCCAGGGAGGTGGTGGTGGCTCTGTGAGC CCGGGCTGGGACTCTGCCCCCGGAGCACCCTCCCCAGCTGACATCACCCAATCCCACTCC GTGGAGCTCATGGGCACCGTGGCCAAACAGCTGGTGCCCAGCTGCGTGACTGTGCAGCGC 295 CGAATGCAGGTACCAGGGCCTATGGGTCAGATCCTCATGATCCAGTACCCGAGCAGTCAG CTGGGGGAGATGTCCCTGGAAGAACACAGCCAGTGTGAATGCAGACCTAAAAAAAGGAC AGCCCCAGGCCCCTCTGCCCACGCTGCACCCAGCACCAGTGCCCTGACCCCGGGACC TGCCGCTGCCGCTGTCGACGCCGCAGCTTCCTCCGTTGTCAAGGGCGGGGCTTAGAGCTC ----CAGATCCTCATGATCCGGTACCCGAGCAGTCAG AACCCAGACACTGCAGGTGCCGGAAGCTGCGAAGGTGA 666 Score 285; DB 2; Pred. No. 7.5e-60; AGTGCTGTGAAGCCAGA-------0; Mismatches NAME: EVANS, Joseph D
REGISTRATION UNBER: 26,269
RECERENCE/DOCKET NUMBER: 1064/41979CP4
TELECOMMUNICATION INFORMATION:
TELEPHOKE: (202) 628-8800
TELEPAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 6: us 08/569,063 Query Match 42.8%; Best Local Similarity 72.1%; Matches 461; Conservative FILING DATE: 06-DEC-1995 ATTORNEY/AGENT INFORMATION: SEQUENCE CHARACTERISTICS: LENGTH: 591 base pairs TYPE: nucleic acid MOLECULE TYPE: CDNA linear Query Match Best Local Similarity ORIGINAL SOURCE: TISSUE TYPE: TYPE: nucleic STRANDEDNESS: CGGATG---US-08-609-443B-6 109 229 235 388 415 508 268 493 628 169 448 289 553

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493 TGCGCTGCCGCTGCAGACGCCGCCTTCCTCCATTGCCAAGGCGGGGCTTAGAGCTC 552
                                                                                                 388 AGTGCTGTGAAGCCAGACAGGGCTGCTACTCCCCACCACCGTCCCCAGCCCCGTTCTGTT 447
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TGCCGCTGCCGCTGTCGACGCCGCAGCTTCCTCCGTTGTCAAGGGCGGGGCCTTAGAGCTC 627
                                                                       APPLICANT: Eriksson, Ulf
APPLICANT: Olofsson, Birgitta
APPLICANT: Alitalo, Kari
APPLICANT: Pajusola, Kari
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 06-JUN 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUBBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTONNEY/AGENT IRFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
STREET: 1200 G Street, N.W., Suite 700
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    628 AACCCAGACACCTGCAGGTGCCGGAAGCTGCGAAGGTGA 666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  553 AACCCAGACACCTGTAGGTGCCGGAAGCCGCGAAAGTGA 591
                                                                                                                                                                                                                      415 AGTGCTGTGAAGCCAGA------
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REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 41;
TELECOMMUNICATION INFORMATION:
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TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           405 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
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                                                                                         APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, Birgitta
APPLICANT: ALITALO, Katri
APPLICANT: PAJUSOLA, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
MUMBER OF SEQUENCES: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 285; DB 2; Length 591;
Pred. No. 7.5e-60;
0; Mismatches 55; Indels 1:
                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
STREET: 1200 G Street, N.W., Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OPERATING SYSTEM: PC_DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILLOATION NUMBER: US/08/569,063C
FILING DATE: 06-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, JOSEPH D
REGISTRATION NUMBER: 164/41979CP3
TELEPHONE: (202) 628-8800
TELEPHONE: (202) 628-8804
TELEPHONE: (202) 628-8804
TELEPHONE: (202) 628-8804
TELEPHONE: (202) 628-8804
                    Sequence 6, Application US/08569063C Patent No. 5928939 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
ALBURTER: IBM PC COMPAILIBLE
POT-DOS/MS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 42.8%;
Best Local Similarity 72.1%;
Matches 461; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 591 base pairs
TYPE: nucleic acid
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SOFTWARE: PatentIT
                                                                                                                                                                                                                                                                                                                                      CITY: Washington
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US-08-569-063C-6
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Search completed: June 12, 2001, 00:10:03 Job time: 3562 sec
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                                                                 CCCGCCCAGGCCCCTGTCTCCCAGCCTGATGCCCCTGGCCACCAGAAGAAGTGGTGTCA 108
                                                                                     TGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCCGGGAGGTGGTGGTGCTCCCTTGACT 168
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                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent No. 304,000.

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GLOFSSON, Birgitta
APPLICANT: ALITALO, Kari
APPLICANT: ALITALO, Kari
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
TITLE OF INVENTION: DNA CODING THEREFOR
                                 5;
Length 405;
                                                                                                                                                                                                                                                                                                                                                                                                                              349 GAACACAGCCAGTGTGAATGCAGACC - TAAAAAAAAGGACAGTGCTGTGA 397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     S: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
1200 G Street, N.W., Suite 700
                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
DB 1;
Score 277.8; DB 1
Pred. No. 3.6e-58;
                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1064/41979CP4
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APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JMBER: US 08/569,063
06-DEC-1995
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 8, Application US/08609443B Patent No. 5840693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: EVANS, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION:
41.7%;
88.9%;
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                                 Conservative
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FILING DATE: 01-MAR-
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FILING DATE: 06-DEC
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              Best Local Similarity
Matches 312; Conserv
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STREET: 120
CITY: Washi
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COUNTRY:
Query Match
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                                                                                                                                                                                                                                                                         Pred. No. 3.6e-58;
                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                      Score 277.8;
                                                                                                                                                                                                                                                   41.7%;
88.9%;
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEO ID NO: 8: SEQUENCE CHARACTERISTICS:
                                                                                LENGTH: 405 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                             Matches 312; Conservative
                                                                                                                                               linear
                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                           TOPOLOGY: 111

MOLECULE TYPE:

US-08-609-443B-8
                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                           Best Local
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